

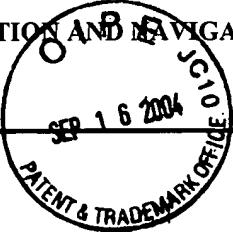
TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 1.97(b) or 1.97(c))

IFW
Docket No.
158982

In Re Application Of: **VASS ET AL.**

Application No.	Filing Date	Examiner	Customer No.	Group Art Unit	Confirmation No.
10/710,923	08/12/2004	NYA	23413	NYA	NYA

**Title: METHOD AND APPARATUS FOR MEDICAL INTERVENTION PROCEDURE PLANNING AND
LOCATION AND NAVIGATION OF AN INTERVENTION TOOL**



Address to:
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

37 CFR 1.97(b)

1. The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

37 CFR 1.97(c)

2. The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:
 - the statement specified in 37 CFR 1.97(e);
 - OR**
 - the fee set forth in 37 CFR 1.17(p).

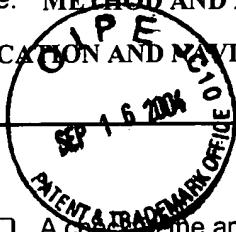
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Payment of Fee

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

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James J. Merrick

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Cantor Colburn LLP
 55 Griffin Road South
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 860-286-2929

Dated: September 14, 2004

CC:

FORM PTO 1449 (REV 2-32)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	File No. 158982 / GEM-0163	Serial No. 10/710,923
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>SEP 16 2004</i> Use several sheets if necessary)		Applicant(s): Vass et al.	
		Filing Date: 08/12/2004	Group: NYA

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1	3,954,098	05/04/1976	Dick et al.	128	2.05 Z	01/31/1975
2	4,574,807	03/11/1986	Hewson et al.	128	419 PG	03/02/1984
3	5,245,287	09/14/1993	Nowak et al.	324	322	08/05/1992
4	5,274,551	12/28/1993	Corby, Jr.	364	413.13	11/29/1991
5	5,304,212	04/19/1994	Czeisler et al.	607	88	01/10/1992
6	5,348,020	09/20/1994	Huston	128	696	12/15/1992
7	5,353,795	10/11/1994	Souza et al.	128	653.2	12/10/1992
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2	2002/0046756 A1	04/25/2002	Laizzo et al.	128	899	09/14/2001
3	2002/0138108 A1	09/26/2002	Kralik	607	9	10/10/2001
4	2003/0018251 A1	01/23/2003	Solomon	600	427	04/05/2002
5	2003/0023266 A1	01/30/2003	Borillo et al.	606	200	07/19/2002
6	2003/0028183 A1	02/06/2003	Sanchez et al.	606	34	03/27/2001

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		1	H. Nikagawa et al., "Role of the Tricuspid Annulus and the Eustachian Valve/Ridge on Atrial Flutter: Relevance to Catheter Ablation of the Septal Isthmus and a New Technique for Rapid Identification of Ablation Success;" <i>Circulation</i> 1996; 94:407-24.
		2	L. Gepstein et al., "A Novel Method for Nonfluoroscopic Catheter-Based Electroanatomical Mapping of the Heart: In Vitro and In Vivo Accuracy Results;" <i>Circulation</i> 1997; 95:1611-22.
		3	S. Shpun et al., "Guidance of Radiofrequency Endocardial Ablation with Real-time Three-dimensional Magnetic Navigation System;" <i>Circulation</i> 1997; 96:2016-21.
		4	J. Sra et al., "Electroanatomic Mapping to Identify Breakthrough Sites in Recurrent Typical Human Flutter;" <i>Pacing Clin. Electrophysiol</i> 2000; 23:1479-92.

Examiner	Date considered
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**U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE**

File No.
158982 / GEM-0163

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9	5,568,384	10/22/1996	Robb et al.	364	419.13	10/13/1992
10	5,823,958	10/20/1998	Truppe	600	426	06/15/1994
11	5,839,440	11/24/1998	Liou et al.	128	654	06/17/1994
12	5,951,475	09/14/1999	Gueziec et al.	600	425	09/25/1997
13	6,081,577	06/27/2000	Webber	378	23	02/19/1999
14	6,154,516	11/28/2000	Heuscher et al.	378	15	09/18/1998
15	6,233,304 B1	05/15/2001	Hu et al.	378	8	11/25/1998
16	6,235,038 B1	05/22/2001	Hunter et al.	606	130	10/28/1999
17	6,249,693 B1	06/19/2001	Cline et al.	600	410	11/01/1999
18	6,252,924 B1	06/26/2001	Davantes et al.	378	8	09/30/1999

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	5	R.J. Schilling et al.; "Simultaneous Endocardial Mapping in the Human Left Ventricle Using a Noncontact Catheter: Comparison of Contact and Reconstructed Electrograms During Sinus Rhythm;" <i>Circulation</i> 1998; 98:997-98.
	6	C. C. Gornick et al., "Validation of a New Noncontact Catheter System for Electroanatomic Mapping of Left Ventricular Endocardium;" <i>Circulation</i> 1999; 99:829-835
	7	J. Sra et al., "Noncontact Mapping for Radiofrequency Ablation of Complex Cardiac Arrhythmias;" <i>J. Interven. Cardiac Electrophysiol</i> 2001; 5:323-331.
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18		6,266,553 B1	07/24/2001	Fluhrer et al.	600	428	09/11/1998
19		6,314,310 B1	11/06/2001	Ben-Haim et al.	600	424	01/22/1998
20		6,325,797 B1	12/04/2001	Stewart et al.	606	41	04/05/1999
21		6,348,793 B1	02/19/2002	Balloni et al.	324	309	11/06/2000
22		6,353,445 B1	03/05/2002	Babula et al.	345	733	11/25/1998
23		6,381,485 B1	04/30/2002	Hunter et al.	600	407	10/28/1999
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	10	F. Wittkampf et al., "Real-Time, Three-Dimensional, Nonfluoroscopic Localization of the Lasso Catheter;" <i>J. Interven. Cardiac Electrophysiol.</i> , 2002, 13:630
	11	J. Sra et al., "Cardiac Chamber Geometry Construction, Catheter Navigation and Ablation Using Cutaneous Patches;" <i>Supplement to Circulation</i> 2003 Oct., 108 (17): IV-585, Abstract 2667.
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26	6,456,867 B2	09/24/2002	Reisfeld	600	407	02/21/2001
27	6,490,475 B1	12/03/2002	Seeley et al.	600	426	04/28/2000
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29	6,549,606 B1	04/15/2003	Vaillant et al.	378	4	09/21/2000
30	6,556,695 B1	04/29/2003	Packer et al.	382	128	09/16/1999
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	13	Z. Zhang; "Iterative Point Matching for Registration of Free-Form Curves;" <i>Inria</i> 1992, pages 1 - 40.
	14	C.L. Grines et al.; "Functional Abnormalities in Isolated Left Bundle Branch Block: The Effect of Interventricular Asynchrony;" <i>Circulation</i> ; 1989; 79:845-53.
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	16	S. Cazeau et al., "Effects of Multisite Biventricular Pacing in Patients with Heart Failure and Intraventricular Conduction Delay;" <i>N. Engl. J. Med.</i> 2001; 344:873-880.

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	17	M. V. Pitzalis et al., "Cardiac Resynchronization Therapy Tailored by Echocardiographic Evaluation of Ventricular Asynchrony;" <i>J. Am. Coll. Cardiol.</i> 2002; 40:1615-22.
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	19	C. A. Pelizzari et al., "Accurate Three-Dimensional Registration of CT, PET, and/or MR Images of the Brain;" <i>J. Comput. Assist. Tomogr.</i> 1989; 13:20-26
	20	A.C. Evans et al.; "MRI-PET Correlation in Three Dimensions Using a Volume-of-Interest (VOI) Atlas;" <i>J. Cereb. Blood Flow Metab.</i> 1991; 11:A69-A78.
	21	R.P. Woods et al.; "Rapid Automated Algorithm for Aligning and Reslicing PET Images;" <i>Journal of Computer Assisted Tomography</i> , 1992; 16:620-633

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	22	B.A. Ardekani et al.; "A Fully Automatic Multimodality Image Registration Algorithm;" <i>Journal of Computer Assisted Tomography</i> ; 1995; 19:615-623.
	23	L. Thurfell et al.; "Registration of Neuroimaging Data: Implementation and Clinical Applications;" <i>American Society of Neuroimaging</i> ; 2000; 10:39-46
	24	S. A. Ben-Haim et al.; "Nonfluoroscopic, <i>in vivo</i> navigation and mapping technology;" <i>Nature Medicine</i> ; 1996; 2:1393-5.
	25	B. Taccardi et al.; "A new intracardiac probe for detecting the site of origin of ectopic ventricular beats during one cardiac cycle;" <i>Circulation</i> ; 1987; 75:272-81
	26	F. H.M. Wittkampf et al.; "New Technique for Real-Time 3-Dimensional Localization of Regular Intracardiac Electrodes;" <i>Circulation</i> ; 1999; 99:1312-17.
	27	V. Fuster et al. "ACC/AHA/NASPE 2002 Guidelines Update for Implantation of Pacemakers and Antiarrhythmia Devices;" <i>J. Am. Coll. Cardiol</i> 2001; 38:1-47.
	28	D. R. Ney "Volumetric Rendering of Computed Tomography Data: Principles and Techniques;" <i>IEEE Computer Graphics and Applications</i> ; 1990; 24-32

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	29	N. M. Alpert et al., "The Principal Axes Transformation - A Method for Image Registration;" <i>The Journal of Nuclear Medicine</i> ; 1990; 31:1717-1722.
	30	P.A. van den Elsen et al.; "Medical Image Matching - A Review with Classification;" <i>IEEE Engineering in Medicine and Biology</i> , 1993; 26 - 38.
	31	G. T. Barnes et al.; "Conventional and Spiral Computed Tomography: Physical Principles and Image Quality Considerations;" <i>Computed Body Tomography</i> , 1998, Lippincot-Raven, Philadelphia, PA pp 1 - 20.
	32	Milan Sonka and J. Michael Fitzpatrick (eds); <i>Handbook of Medical Imaging Vol. 2. Medical Image Processing and Analysis</i> ; pp 129-174 & 447-506
	33	W. M. Feinberg et al.; "Prevalence, Age Distribution, and Gender of Patients with Atrial Fibrillation;" <i>Arch. Intern. Med. Vol. 155</i> ; March 1995; pages 469-473
	34	J. L. Cox, J. P. Boineau, R. B. Schuessler, T. B. Ferguson, Jr., M. E. Cain, B. D. Lindsay, P. B. Corr, K. M. Kater, D. G. Lappas; "Operations for Atrial Fibrillation;" <i>Electrophysiology, Pacing and Arrhythmia, Clin. Cardiol.</i> 14, 1991; pages 827-834

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	36	C. Pappone, S. Rosanio, G. Augello, G. Gallus, G. Vicedomini, P. Mazzzone, S. Gulletta, F. Gugliotta, A. Pappone, V. Santinelli, V. Tortoriello, S. Sala, A. Zangrillo, G. Crescenzi, S. Benussi, and O. Alfieri; "Mortality, Morbidity, and Quality of Life After Circumferential Pulmonary Vein Ablation for Atrial Fibrillation," Journal of the American College of Cardiology, Vol. 42, No. 2; 2003; 185 - 197.
	37	J. Sra et al., "Current Problems in Cardiology- Atrial Fibrillation: Epidemiology, Mechanisms, and Management;" Current Problems in Cardiology, July 2000; pages 406 - 524

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	38	ACC/AHA/ESC Practise Guidelines; Eur. Heart J., Vol. 22, issue 20, October 2001; pages 1854 - 1923
	39	M. D. Leash, T. Trepelse, H. Omran, A. Bartorelli, P. Della Bella, T. Nakai, M. Reisman, D. fleschenberb, U. Krumsdorf, and D. Scherer; "Tiny Device Blocks 'Useless' Part of Heart, prevents blood clots;" Journal Report; American Heart Association; April 9, 2002
	40	Ellen Barlow; "Operating in 3-D" found at www.med.harvard.edu/publications/HMAB/196fo3d.html

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